

MACHINIST

DO YOU LIKE:

- * Working with your hands?
- * The challenges of computer technology?
- * Knowing how things work and how they are made?
- * Creative thinking?
- * Working independently?



Title	Entry Wage	Average	Medium	Middle Range	Training
Machinist	\$11.10	\$16.30	\$16.50	\$13.20 - \$19.80	Long term OJT

JOB OUTLOOK

- Excellent job opportunities, since there are expected to be more job openings than qualified workers. Many new workers will be needed to replace experienced machinists who retire.
- There are expected to be about 140 job openings for Machinists in Utah annually. Employment will only grow about 1.7% annually because of rising productivity. Machinists will become more efficient as a result of technological advances.

JOB DESCRIPTION

- Calculate dimensions and tolerances using knowledge of mathematics and instruments such as micrometers and vernier calipers.
- Machine parts to specifications using machine tools such as lathes, milling machines, shapers, or grinders.
- Measure, examine, and test completed units in order to detect defects and ensure conformance to specifications, using precision instruments such as micrometers.
- Set up, adjust, and operate all of the basic machine tools and many specialized or advanced variation tools in order to perform precision machining operations.
- Align and secure holding fixtures, cutting tools, attachments, accessories, and material onto machines.
- Monitor the feed and speed of machines during the machining process.
- Study sample parts, blueprints, drawings, and engineering information in order to determine methods and sequences of operations needed to fabricate products, and determine product dimensions and tolerances.
- Select the appropriate tools, machines, and material to be used in preparation of machinery work.
- Lay out, measure, and mark metal stock in order to display placement of cuts.
- Observe and listen to operating machines or equipment in order to diagnose machine malfunctions and to determine need for adjustments or repairs.

MACHINIST



WORKING CONDITIONS

- Requires being inside most of the time.
- Involves using your hands to hold, control and feel object more than one third of the time.
- Detect sounds and hear the differences between sounds of different pitch & loudness.
- See clearly up close.
- Bend, stretch, twist or reach.
- Lift, carry, push or pull loads up to 20 lbs regularly, sometimes up to 50 lbs.
- Work days, swings, graves and rotating shifts.
- Work weekends & overtime.

EMPLOYER REQUIREMENTS

- Have a High School diploma / GED.
- Have math & communication skills.
- Spatial comprehension.
- Have interest in computers.
- Have an interest in how things work and how they are made.
- Good attendance.
- Ability to pass a drug test and background check.

FOR TRAINING

Training Programs: Bridgerland Applied Technology College
www.batc.tec.ut.us

Ogden-Weber Applied Technology College
www.owatc.com

Davis Applied Technology College
www.datc.net

Salt Lake Community College
www.slcc.edu

High School CTE Programs:

www.usoe.k12.ut.us
CTEhelp@schools.utah.gov
801-538-7840

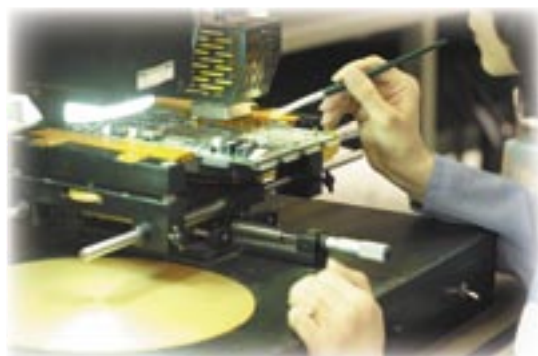
Related Job Info:

<http://careers.utah.gov>
<http://jobs.utah.gov>

Build your own Machinist



Career Ladder



Picture yourself here!

Occupation
Average entry wage per hour: \$ _____
Required training/experience: _____
Target completion date: _____
Training institution: _____
Funding: _____

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